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Stand # 1558

	STAND CHARACTERISTICS	Soils	
1431	TREE CI	W.R.C.	65.8
1708	SAP CI	pH	7.0
+277	CI DIFFERENCE	lbs/acre CA Mg P K NO ₃ NH ₃	30 250 5 20
235	3 SAPS/ACRE		
228	2 TREES/ACRE	Soil profile	A ₀ $\frac{3}{4}$ A ₁ 2½ silt loam
55	4 AVE. B.A. STEM		1 side
63	AVE BA TREE	SLOPE	5° W 10 of 40-100 2?
14254	Dom. /ACRE	CI	1180
495	Stm traps	Cutting Stumps/ACRE 4	107
260	Stms/ACRE	Spp. cut	QA 72 QR-V 26
1.14	3 STEMS/TREE		
10	% null	Ave. size cut	A. 8
51.7	CANOPY %	Ave. Time since cut	1.9

S = Stump origin

Data Form No. 24

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1558

STATION NO.	1	2	3	4	5	6	7	8	9	10	
Acer rubrum											
A. saccharum											
Betula papy.											
Carpinus car											
Carya cord											
C. ovata	168	1	1				56			101	
Celtis occ											
Crataegus sp.											
Fagus grand											
Fraxinus am											
F. nigra											
Juglans cin.		15		51	1						
J. nigra	18	2				4	1		42	1	
Ostrya virg											
Populus gran					13						
P. tremul											
Prunus serot			16	2		12		1		2	
Quercus alba	32	1	50 46 128 160	73 154 109	120 70 112	122 85	2 40	63 25	53 110 110	160 83	56 75
Q. ellipsoid											
Q. macrocarpa					5						
Q. rubra				1	1	2		28	1	1	
Q. velutina											
Tilia amer	1	1									
Ulmus amer								12			
Ulmus fulva	23		1	1	17	21	85	2	2	14 13 +1	
										33 13 +1	
	17 4 10 9	27 20 9 21	10 13 7 21	15 14 8 21	15 8 15 11	15 13 7 21	16 21 12 31	6 23 8 14	6 7 10 21	4 7 12 17	
Distance	7 12 11 20	18 11 3 10	18 18 16 25	6 20 8 20	5 25 15 31	11 8 12 14	24 20 12 21	9 24 9 29	24 6 17 23	21 18 9 30	

-5

2 bottles

cut. red & white oak, walnut, elm
most split, most don't split

[illegible]

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1558

STATION NO.	1	2	3	4	5	6	7	8	9	10	
Acer rubrum											
A. saccharum											
Betula papy.											
Carpinus car											
Carya cord	2		1								
C. ovata		37 62	32 85 110		138		1		82		
Celtis occ											
Crataegus sp.											
Fagus grand											
Fraxinus am											
F. nigra											
Juglans cin.											
J. nigra				1		1					
Ostrya virg										3	
Populus gran											
P. tremul											
Prunus serot	1	2	1	1	2		14	2	3	2	
Quercus alba	77 93	72 74	162 90	112	97 128 55	52	78 55	110	90 23 34	100 51 160	20 40
Q. ellipsoid											
Q. macrocarpa											
Q. rubra	1		2	1	52	48	1	28		1	
Q. velutina											
Tilia amer											
Ulmus amer											
Ulmus fulva	20 38	1		20	22	34	2	12	15+3	1	
	18 10 6 12	16 21 26 11	11 23 21 15	15 28 24 17	12 14 26 20	17 27 6 25	7 9 18 27	4 7 6 21	3 9 13 15	14 10 17 15	
Distance	8 11 7 26	17 20 10 32	11 8 16 17	10 10 23 25	13 24 11 25	5 7 6 19	10 14 26 20	3 24 10 29	9 18 10 27	5 17 14 14	

20

10

75

65

85

Shrubs + vines very abundant in this type woods.

Rubus
Cornus
Viburnum
Ribes
Xanthoxylum

Celastrus
Rhus
Passiflora
Vitis

Very difficult to walk thru

Twine around trees, but exert great effect
on saplings. Kill them off, by covering
to extent they can't photosynthesize,
then weight bends them down.

A₀ $\frac{1}{2}$ - $\left(\begin{smallmatrix} 3'' \\ 4 \end{smallmatrix} \right)$ 1"

A₁ 2-3" $\left(2\frac{1}{2}'' \right)$ 3" Silt lean

Paul 97 4 ft 1-3" diam

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1558

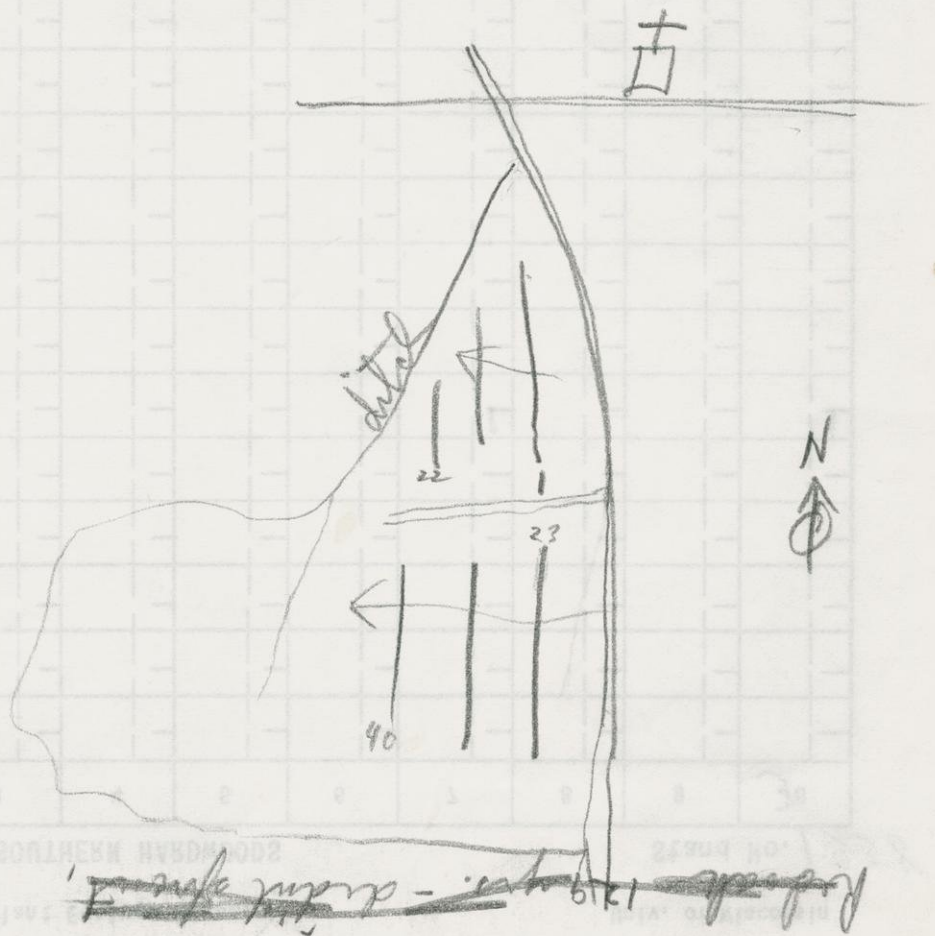
STATION NO.	1	2	3	4	5	6	7	8	9	30	
Acer rubrum											
A. saccharum											
Betula papy.											
Carpinus car											
Carya cord											
C. ovata	1							1		1	
Celtis occ											
Crataegus sp.											
Fagus grand											
Fraxinus am											
F. nigra											
Juglans cin.											
J. nigra							26	36	(66 47)		
Ostrya virg		1						1			
Populus gran				78		1	15		30	13 32	
P. tremul											
Prunus serot	1	2	2	1	1						
Quercus alba	65 47	100 56	80 47	97 91	100	55 65	44 105	17	174 141	1341	20
Q. ellipsoid		30 65	132			80 220			33		
Q. macrocarpa				no 5			25				
Q. rubra	1			13 24	3	1	57	3	15	2540 3121	67 45
Q. velutina											
Tilia amer											
Ulmus amer											
Ulmus fulva	1	1	43	1					1	1	
	12 12 11 18	24 21 10 20	5 7 6 20	8 13 12 20	6 16 15 22	13 18 19 8	9 14 10 20	16 18 17 19	5 15 8 12	5 9 5 25	
Distance	6 20 13 21	22 12 7 5	10 13 11 18	13 15 11 8	7 24 18 21	20 5 18 8	12 7 7 18	7 10 10 8	4 18 5 16	5 16 6 9	

10 40 45 0 0 10

Q nub 79 3 spits 1-2" diam

Q nub 20 cut at $2\frac{1}{2}'$, 2 spits at 2'

Q alba 30 yrs. Cut too recently to spit.



23-40

Data Form No. 24

Plant Ecology Research

Univ. of Wisconsin

POINT RECORD TREES

SOUTHERN HARDWOODS

Stand No. 1558

STATION NO.	1	2	3	4	5	6	7	8	9	40
Acer rubrum										
A. saccharum										
Betula papy.										
Carpinus car										
Carya cord	1	1	12	1				1		2
C. ovata	1	1	1						1	1
Celtis occ										
Crataegus sp.										
Fagus grand										
Fraxinus am										
F. nigra										
Juglans cin.										
J. nigra	56 50 36				37		15 83	50	58	52
Ostrya virg			1	2	1		2			1
Populus gran			20 40		23	2	24 18	23 20	26	
P. tremul		35								
Prunus serot		1		1	15					
Quercus alba	42 +1	40 17 32	1	36 42 111	102	15	1	23 +1	24 +2 35	1
Q. ellipsoid										
Q. macrocarpa						5				
Q. rubra	20 30 17 20	55 50	24 57	1			1	1	1	38 40 45 55+1
Q. velutina	23									
Tilia amer								25 18		
Ulmus amer										
Ulmus fulva	1			30		42			40	35 +1 105
	9 11 10 6	3 17 11 9	2 13 15 18	8 9 7 16	1 6 4 17	8 12 12 13	7 20 23 26	9 14 9 20	6 11 18 15	7 18 13 11
Distance	6 12 6 19	15 11 11 22	3 10 6 24	16 9 7 24	8 24 30 30	3 4 11 7	4 4 13 7	5 5 5 11	15 7 9 14	4 4 17 10

90 80

50

85 75

Stand No. 1558

106.8

cherry seed

5 cut 20" spits (class 2)
11 3rd grth
sap size spits now present.

class 4
200"

СН

1.14 stems/tree
canopy 51.7%

+277

18.7%

1558

CI = 1431

	Sap.	12- 19	20- 28	29- 38	39- 50	51- 63	64- 78	79- 95	96- 113	114- 132	133- 153	154- 176	177- 201	202- 254	255- 314	315- 380	381- 452	
Pop. trem.																		
Quercus ellip.																		
Q. macrocarp.																		
Q. velut.																		
Prun. serot.	47	32	4															6 4
Querc. alba	22	15	5	7	70	100	10	9	90	15	4			50				117 82 ④ 6
Pop. grand.	13	9	4	6	2	1		1										20 14
Carya ovata	19	13			2		2	2	2			1	1					14 10
Querc. rubra	49	33	2	4	10	20	50	10										21 15 ⑫ 17
Juglans nig.	16	11	2	1	2	2	30	10	1									17 12 ③ 4
Frax. amer.																		
Acer rubrum																		
Tilia amer.	3	2																
Jug. cinerea	1	1	1				1											3 2
Ulmus amer.			1	10														3 20 ① 1
Celtis occ.																		
Ulm. rubra	31	21	40	4	50	2			1	1								26 18 ③ 4
Carya cord.	15	10	1															
Ostrya virg.	15	12																1 1
Acer sacc.																		

159

Sap CI = 1708

160 ⑫ 23

32

#/acre

235

94.1

72.7

49.9

10

1.4

228

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Actaea pachypoda
✓ Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium
Aquilegia canadensis
Aralia nudicaulis
✓ A. racemosa
Arenaria lateriflora
Arisaema atrorubens
Asarum canadensis
Aster macrophyllus
A. sagittifolius 38
✓ A. shortii
✓ Athyrium filix-femina
Botrychium virginianum
Brachyelytrum erectum
Campanula americana
Carex albursina 7
C. pensylvanica 34578
Caulophyllum thalictroides
Celastrus scandens 36910
Circaea quadrisulcata 123456789
Claytonia virginiana
Cornus alternifolia
C. femina 1257
C. rugosa
Corylus americana
Cryptotaenia canadensis
Cypripedium pubescens 5
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 24578910
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
✓ G. concinnum 8
G. lanceolatum
G. triflorum
Geranium maculatum 2346710
Gerardia grandiflora
Geum canadense 345
Goodyera pubescens
Habenaria bracteata
Hackelia virginica
Hamamelis virginiana
Helianthus strumosus 4710
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula 24578
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 156
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera 12
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza claytoni 156
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium 8
Parietaria pennsylvanica
Parthenocissus inserta 1346789
Phlox divaricata 5
Phryma leptostachya 158
Podophyllum peltatum
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
Pteridium aquilinum
Pyrola elliptica
Ranunculus abortivus
R. recurvatus
R. septentrionalis
Rhus radicans 3810
Ribes americanum
✓ R. cynosbati 2510
R. missouriense
✓ Rosa sp.
Rubus allegheniensis 278
R. occidentalis 1479
R. strigosus 6
Sambucus canadensis
Sanguinaria canadensis
✓ Sanicula gregaria
S. marilandica
Smilacina racemosa 1579
S. stellata
Smilax ecirrhata
S. herbacea 8
S. tamnoides
Solidago altissima
S. flexicaulis
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
✓ Triosteum perfoliatum
Uvularia grandiflora 168
✓ Veronicastrum virginicum
Viburnum acerifolium
✓ V. rafinesquianum 7810
Viola cucullata 3
V. pubescens
Vitis aestivalis 58
V. riparia 58
✓ Xanthoxylum americ. 2356789
Zizia aurea

Additional species:

✓ Amelanchier
- Prunus serot 27
- P. wing 35710
Ulmus 9
- Carya cord 10

- ✓ Osmorhiza
- ✓ Desmodium cuspidatum

- ✓ Viburnum lentago 4
- ✓ Erythronium
- ✓ Lonicera
- ✓ Smilacina
- ✓ Lysimachia
- ✓ Phlox
- ✓ Phryma
- ✓ Podophyllum
- ✓ Polemonium

PRESENCE
SOUTHERN UPLAND HARDWOODS

1558

Actaea pachypoda
✓ Adiantum pedatum
✓ Agrimonia gryposepala
✓ Amelanchier spp.
✓ Amphicarpa bracteata 25
Anemonella thalictroides
✓ Apocynum androsaemifolium 5
Aralia nudicaulis
✓ A. racemosa
Arenaria lateriflora
✓ Arisaema atrorubens 10
Aster macrophyllus
✓ A. sagittifolius 10
✓ A. shortii
✓ Athyrium filix-femina
✓ Botrychium virginianum 10
✓ Brachyelytrum erectum
✓ Carex albursina 5
✓ C. convoluta 5
✓ C. pensylvanica 60
Caulophyllum thalictroides
✓ Celastrus scandens 30
✓ Circaea quadrisulcata 70
Cornus alternifolia
✓ C. femina 35
C. rugosa
✓ Corylus americana 5
Cryptotaenia canadensis
✓ Desmodium glutinosum 55
D. nudiflorum
✓ Dioscorea villosa
✓ Eupatorium purpureum
E. rugosum
Festuca obtusa
Fragaria virginiana

✓ Galium aparine
G. circaezans
✓ G. concinnum 40
G. lanceolatum
G. triflorum
✓ Geranium maculatum 65
✓ Geum canadense 15
✓ Hackelia virginiana 5
✓ Helianthus strumosus 20
Hepatica acutiloba
Hydrophyllum virginianum
✓ Hystrix patula 45
Impatiens biflora
✓ Lactuca biennis 20
Laportea canadensis
Lathyrus ochroleucus
✓ Lonicera prolifera 20
✓ Lysimachia quadrifolia
✓ Monarda fistulosa
✓ Osmorhiza claytoni 20
O. longistylis
Oxalis violacea
✓ Panicum latifolium 5
✓ Parietaria pensylvanica 5
✓ Parthenocissus vitacea 90
✓ Phlox divaricata 5
✓ Phryma leptostachya 40
✓ Podophyllum peltatum 5
✓ Polemonium reptans
✓ Polygonatum canaliculatum
P. pubescens
Polygonum virginianum
Potentilla simplex
✓ Prenanthes alba
✓ Prunus virginiana 40

✓ Pteridium aquilinum 5
Pyrola elliptica
✓ Ranunculus abortivus 5
R. recurvatus
R. septentrionalis
✓ Rhus radicans 20
✓ R. cynosbati 30
R. missouriense
✓ Rosa sp.
✓ Rubus allegheniensis 20
✓ R. occidentalis 50
✓ R. strigosus 5
✓ Sambucus canadensis 5
Sanguinaria canadensis
✓ Sanicula gregaria 15
✓ S. marilandica
✓ Smilacina racemosa 65
S. stellata
✓ Smilax ecirrhata 5
✓ S. herbacea 10
✓ Solidago canadensis
✓ S. flexicaulis 5
✓ S. ulmifolia
Thalictrum dioicum
✓ Triosteum perfoliatum
✓ Uvularia grandiflora 30
✓ Veronicastrium virginicum
Viburnum acerifolium
✓ V. lentago 10
✓ V. rafinesquianum 25
✓ Viola cucullata 5
V. pubescens
Vitris aestivalis
✓ V. riparia 15
✓ Zanthoxylum americanum 35

- Rhus glabra

Additional species:

✓ Taraxacum 5
- Poa compressa
- Anemone quinquefolia
- Cypripedium cal., 5
- Desmodium cuspidatum

- Carya cord 5
- Carya ovata 5
- Crataegus 5
- Ostrya 10
- Prunus serot 15
- Ulmus 15

6
67
73

Presence or Frequency
(Common species only)

SOUTHERN UPLAND HARDWOODS

Stand No. 1558
Quadrat No.

Page 2

Actaea pachypoda
Adiantum pedatum
Agrimonia gryposepala
Allium tricoccum
Amphicarpa braceata 234510
Anemone quinquefolia
A. virginiana
Anemonella thalictroides
Antennaria sp.
Aplectrum hiemale
Apocynum androsaemifolium 8
Aquilegia canadensis
Aralia nudicaulis
A. racemosa
Arenaria lateriflora
Arisaema atrorubens 4
Asarum canadensis
Aster macrophyllus
A. sagittifolius
A. shortii
Athyrium filix-femina
Botrychium virginianum 910
Brachyelytrum erectum
Campanula americana
Carex albursina
C. pensylvanica 2345810
Caulophyllum thalictroides
Celastrus scandens 24
Circaea quadrisulcata 456910
Claytonia virginiana
Cornus alternifolia
C. femina 357
C. rugosa
Corylus americana 7
Cryptotaenia canadensis
Cypripedium pubescens
Cystopteris fragilis
Dentaria laciniata
Desmodium glutinosum 1256
D. nudiflorum
Dicentra cucullaria
Dodecatheon meadia
Dryopteris spinulosa
Erigeron pulchellus
Erythronium albidum
Eupatorium purpureum

Eupatorium rugosum
Festuca obtusa
Fragaria virginiana
Galium aparine
G. circaezans
G. concinnum 3456789
G. lanceolatum
G. triflorum
Geranium maculatum 1234578
Gerardia grandiflora
Geum canadense
Goodyera pubescens
Habenaria bracteata
Hackelia virginica 10
Hamamelis virginiana
Helianthus strumosus 2
Hepatica acutiloba
Heuchera richardsonii
Hydrastis canadensis
Hydrophyllum virginianum
Hystrix patula 5910
Impatiens capensis
I. pallida
Isopyrum biternatum
Lactuca biennis 8
Laportea canadensis
Lathyrus ochroleucus
Lonicera prolifera 68
Lysimachia quadrifolia
Maianthemum canadensis
Menispermum canadensis
Mitella diphylla
Monarda fistulosa
Orchis spectabilis
Oryzopsis racemosa
Osmorhiza clayton 10
O. longistylis
Osmunda claytoni
Panax quinquefolia
Panicum latifolium
Parietaria pennsylvanica 1098
Parthenocissus inserta 1234567
Phlox divaricata
Phryma leptostachya 468910
✓Podophyllum peltatum 9
Polemonium reptans

Polygonatum canaliculatum
Polygonatum pubescens
Potentilla simplex
Prenanthes alba
✓Pteridium aquilinum 5
Pyrola elliptica
Ranunculus abortivus 6
R. recurvatus
R. septentrionalis
Rhus radicans 8
Ribes americanum
R. cynosbati 127
R. missouriense
Rosa sp.
Rubus allegheniensis 3
R. occidentalis 1456910
R. strigosus
✓Sambucus canadensis 10
Sanguinaria canadensis
Sanicula gregaria 459
S. marilandica
Smilacina racemosa 12345789
S. stellata
Smilax ecirrhata 9
S. herbacea 4
S. tamnoides
Solidago altissima
S. flexicaulis 7
S. ulmifolia
Thalictrum dioicum
Tovara virginiana
Trillium cernuum
T. flexipes
T. grandiflorum
T. recurvatum
Triosteum perfoliatum
Uvularia grandiflora 138
Veronicastrum virginicum
Viburnum acerifolium
V. rafinesquianum 28
Viola cucullata
V. pubescens
Vitis aestivalis 7
V. riparia 7
Xanthoxylum americ.
Zizia aurea

Additional species.

- Prunus 1256
- Carya oval 2
- Illino 37
- Crataegus 6
- Ostrya 78
- Prunus serot 7
- Viburnum lentago 7
- Rhus glabra

- Taraxacum 3

Hamamelis virginiana 10
G. - Vitis flexilis 10

1558

CI = 1431

Sap - 1708 + 1

H - 313 + 1

